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PHILLIP IGBINADOLOR

Date

March 7, 2000

ABSTRACT

P.1 Lines 6, 7, 8 *P.1 Line 2*
An integrated car and entertainment dubbing system for listening, interacting, and
P.1 Lines 3-5
dubbing of new musical release, live musical and entertainment awards, internet,
P.1 Line 8 *P.1 Line 8; P.1 Line 10*
internet user's frequency, commercial and distortion free broadcasting, accessory

modulation activities, and activities within the view scope of the system's micro and

Line 24 *P.1 Line 18*
infra red camera using the unique reverse logic dubbing cpu and programmable

P.1 Line 2 *P.1 Line 1*
implementation software to record in nine sequences; the unit's structural components

Lines 6, 9
are integrated into a common circuitry to function in a simultaneous listening, viewing,

P.1 Lines 11-12
interactive, and dubbing pleasures; the keys or buttons on the face of the unit enable

the consumer to select any operation without affecting any dubbing process in

P.1 Lines 25, 26 *P.1 Line 2*
progress; the unit's command control, technical support team, in house control and

P.1 Line 18 *Lines 19, 20*
command, and the apparatus are fully integrated into a single unit rather than multiple

P.2 Line 2 *P.2 Line 1-3*
units; the unit's user's friendly command buttons and peripherals constitute the new

P.2 Lines 2, 3 *P.2 Line 2*
product invention as a residential and commercial entertainment center, as well as a car

electronics system.

P.2 Line 4

8 Claims. 23 Drawing Sheets



Statement of no New Matter

Application/Control Number: 09/135,504

I hereby certify by this statement that the substitute specification filed on 10/19/99 contains no new matter of the original specification. This statement is being provided as response to the examiner's action dated 01/28/2000 requiring the above statement of no new matter in my substitute specification.

Date March 7, 2000

PHILLIP IGBINADOLOR



INTEGRATED CAR DUBBING SYSTEM OF WHICH
ARE FOUR PRODUCT MODELS P. 6 Lines 4, 5

P. 11 Heading
BACKGROUND OF THE INVENTION

1. Field of the Invention

P. 2 Lines 5-14 P. 5 Lines 8-13 P. 11 Line 11
The present invention relates to a dubbing system for integration of audio and video.
P. 1 Lines 18, 19 data within the system, records and plays from external systems, computer, satellite,
P. 11 Lines 8, 9 P. 2 Lines 1-3 P. 14 Lines 11-13
cable, radio, and wireless programming using a single or unitary playback and record
P. 11 Lines 8-14
capability of the Reverse Logic Programming featured in the system's Dubbing Central
Processing Unit. The system would record and play audio and video data in analog and
or digital signals. P. 11 Lines 1, 2 Generally, the invention could be manufactured by companies that
manufacture electronics, house hold and commercial audio and video equipment.

2. Description of the Related Art

P. 11 Lines 3, 4
This product invention solves many problems not thought of in similar patent category
and any other product ever manufactured or being sold in the present market of the
P. 11 Line 18 P. 11 Lines 8, 9
industry category. No system before this invention have the unique reverse logic
dubbing CPU pertinent to this invention. Also, no other devices have clear technical
connectivity and integration of its functional features to a dubbing CPU, memory
P. 2 Lines 1-3 P. 11 Line 10
spaces, and sensor detector. Most dubbing systems before now only record and play
from radio and other recording and playback devices (dual dubbing system). The
current systems use two recording, and or playback devices to record and playback
data. This is time consuming and bulky for today's electronics consumers. Also, prior
to disclosing this invention in 1995, P. 14 Lines 17-20 no electronic devices have a commercial,
distortion, station break, and or interruption free dubbing and listening capability. The

present systems can not record live satellite events, and or incorporate wireless programming technology for listening, interacting, and dubbing experience. Other setbacks of current dubbing systems include recording sequence in one or two ways which are tape to disc and disc to tape with human interference that could result in poor quality tape or disc, and bad dubbing experience. They lack audio video

conferencing connectivity, consumer choices, user's safety, privacy, convenience, product productivity in terms of application, exchange of disc with personal computers.

Generally, all of the existing electronic devices that record and playback lack auto LCD monitor screen, manual monitor screen, infra camera lens, internet, alarm and alert clock mechanism for the user or motorist safety, fax, keyboard, live musical/entertainment awards sensors, new musical release sensors and detectors, nor do any car audio and video system has a retractable assembly mechanism.

Cost and choice are important factors in purchasing any goods, the current systems do not provide choice or alternative model if the consumer could not afford the available device. This present product invention have four choices customized to most consumer affordability and provides all of the claimed features and much more. My invention is not just a recording and playback device like other devices currently

patented and marketed, but a complete product invention perfection of the next century that would replace the bulky computer, mobilize the workplace, allows for productivity efficiency, privacy, security, and even safety.

The primary reasons of inventing this product are:

To correct and perfect the electronics device; and
To create jobs.

P. 41 Lines 2-4

I am one of those Economist who believe in ~~creating~~ jobs by developing an efficient product that solves the problems of an audio/video electronics dubbing system. I envisioned that this product invention would create new jobs, job opportunities, and enhance workers' productivity and efficiency across the workforce -capital and labor markets.

P. 41 Lines 4-9

My aim was to identify the problems of current recording systems that are inadequate for today's consumer utility. A consumer's utility from a service or a product would be achieved only at a point of satisfaction. This product invention provides the maximum satisfaction a consumer would wish to derive from a product such as the Integrated Car Dubbing System. As you know the system comes in four models that could be

programmed to feature or not feature models identification as shown on Fig. 11.

P. 41 Lines 10-11

The top of the line product invention is called the

P. 1 Line 25; P. 18 Line 4 R

ICDS-SISE GOLD SERIES PRODUCT which reads:

dle

INTEGRATED CAR DUBBING SYSTEM - SISE deluxe ltd. edition Gold Series

registered Product.

Appendix to Specification

See attached appendix at the end of this specification for illustration of the proposed

invention patent and trademark product logo as shown on Figures 1, 5, and appendix

which constitute part thereof this specification. The color illustration shown

is for the Trademark Office and has no bearing on the utility patent been sought.

P. 21 Lines 25-27

P. 31 Lines 1, 2

Figures 1 - 6 that form the Design Patent thereof has been patented and issued on

07/07/98. U.S. DESIGN PATENT # 395.884

P. 2 Lines 8-13; P. 31 Lines 1-2

This utility patent application now being sought is the expanded and consolidated

explanation and description of the way the invention works, what it does,

manufacturing processes, and how the product invention could be used by the

consumer.

P. 14 Heading
BRIEF SUMMARY OF THE INVENTION

P. 14 Lines 1-5
In this information summary, I will review the distinctive functional feature
components of the product concept and the needs it fulfills. The concept of the
Integrated Car Dubbing System as envisioned by me, Phillip Igbinadolor, dba Phillip's
Research & Commercial Enterprises is an auto and home entertainment audio/video
product with choices of four product models and serial identification that has a unitary
P. 5 Line 9 playback and record functions of tape and disc deck with a built in reverse logic
P. 18 Line 2; P. 18 Line 19 programmed dubbing central processing unit integrated into the sensors, detectors,
P. 20 Lines 27, 28 motherboard chips, memory type spaces to enable the unit to record in nine dubbing
P. 2 Lines 5, 6 sequences: tape to tape, tape to disc, tape to memory, disc to disc, disc to tape, disc to
P. 15 Line 10 memory, memory to tape, memory to disc, memory to memory within and between the
cassette and disc deck in a single structural component called the Integrated Car
Dubbing System or its portable home and commercial entertainment center version.
P. 14 Lines 7, 8 The system records and plays all features claimed, has an external input port for a
personal computer, and allows interchange of disc between existing computer's disc
P. 3 Lines 11-22 and CD player disc. The play override (P.O/R) button on the AINUF coding panel
P. 25 Lines 14, 15 when push in allows the user to interchange prerecorded discs with the unit or the
unit's disc with personal computer of 512K to 32 mega bytes microprocessors and
P. 14 Lines 7, 8 memory space capacity, and any existing CD player disc. The system will fulfill the
P. 15 Lines 1-22 need for a useful and practicable audio/video dubbing, listening, and interacting
P. 16 Lines 1-4 package for a motorist and a house hold entertainment center. Other appealing features
P. 15 Lines 3-5

include the convenience of making a commercial free recording and listening, or interacting when the selection is made by the consumer. ^{P. 15 Lines 5, 6, 7} The unit starts recording automatically when it senses a new musical release or live musical and entertainment events without interfering with the current selection. ^{P. 15 Lines 6} The system would record and store analog, and or digital data onto the assigned memory space or the memory space depending on the data signal been read. Video, digital, and fiber optical images are stored onto a disc and a memory type space, while audio data are stored onto a tape and a memory type space. ^{P. 15 Lines 14-21} When a blank tape or disc is inserted, the unit records stored data onto the medium automatically. An insertion of a prerecorded data would cause the system to reject and eject the medium -tape or disc.

^{P. 15 Lines 18, 19} To record prerecorded data, the consumer push in the record functional button of selected deck and insert the prerecorded medium. The unit reads and store the data onto a memory space or assigned memory space. When a blank tape or disc is inserted, it copies the stored data on the chosen tape or disc. To record activities being engaged in, the consumer would make selection and push in the record button. The consumer ^{P. 15 Lines 20, 21} do not need to insert a blank tape or disc to record, all recordings are done internally

and stored. ^{P. 11 Lines 10-13} The user may choose to complete his/her dubbing at a later time. The

^{P. 14 Lines 14} consumer has choice of erasing old or unwanted data. To perform this activity, the consumer would push in the erase functional button of the selected deck. Prerecorded data on a medium or stored data in a memory type space would be erased if selected.

The user could also pause recording of data when the pause button of the selected deck is activated by pushing in the pause functional button. This product invention has been conceptualized to be safe. ^{P. 16 Lines 5-22} The unit's functional design outlook confirms with the

Underwriter's Laboratories (UL) standards. The unit requires no new technology or

physical materials. It uses electrical wiring, electronic circuitry, computer circuitry, computer motherboard chips, sensors and detectors, microprocessors, satellite, cable, and an application software technology. In ^{P.16 Lines 10, 11} fact, companies such as Sony Corporation and Samsung could manufacture the overall electronics, while companies such as Texas Instruments, Comsat, Oracle Corporation, MCI, Bell-Atlantic, Microsoft could design the application software necessary to operate the system. The technology and product development software know how are available, but what has been missing is the insight or ingenuity. Until now, no other car or house hold dubbing system or commercial recording system has offered these hi tech electronics functional features in a single product as does the ICDS-SISE deluxe Gold Series Product, which is the top of the line of the four models been claimed in this patent application.

^{P.16 Lines 16 - 23}
The manufacturer of the product invention would encompass existing technology, software development know how along with a relatively standard materials and manufacturing processes. In general, tapping the line level audio after the AM/FM detector circuits, including a buffer amplifier with automatic level control (ALC) to maintain a proper recording level and function switch control for the recording source, and recording features that requires no training to use. Conventional printed circuit board or surface mounted printed circuit board assembly techniques could be used. A

^{P.17 Lines 1, 2}
normal condition of impact resistant materials would be employed, visual tests of text legibility and color harmonious would meet with industry specification and standard.

^{P.17 Lines 3-9}
The after market versions of the system could be packaged in a ^{P.17 Lines 8, 9} corrugated cardboard container. The box could be imprinted in one or more colors, including four color process with product name and logo, manufacturer name, and instructions for use and

care. A small pamphlet could be inserted in each package detailing instructions for assembly or installation. Styrofoam inserts could be inserted into the package to protect the product. Corrugated cardboard shipping containers would be used to hold a quantity of individual packaged product to facilitate shipment and storage.

P. 25 - Heading
BRIEF DESCRIPTION OF THE DRAWINGS AND FIGURES

P. 25 Lines 1-4, P. 1 Line 5-6
Figure 1 is the front plan view of the Integrated Car Dubbing System of the present invention; showing the integral components that are numbered for proper identification as shown on figure 12.

P. 25 Lines 5-10; P. 1 Line 7-8
Figure 2 is the front plan view of the CD and AINUF coding/special coding keys of the system; the mike is strategically located above the panel keys to minimize accessibility *P. 26 Lines 15/16* problem; the special panel could be used in entering and coding personal computer serial numbers for p.cs identification, personal and customized internet and *P. 26 Line 26* entertainment surfing; the feature could also be used to set secret passwords and numbers; the numbers and words are read, compiled, and interpreted by the control *P. 25 Line 9* command into binary codes that allow the unit to have a working process configuration with the AIN and WWW; push in the AINUF before using the internet of the present audio video invention.

P. 25 Lines 22-25; P. 1 Lines 10, 11
Figure 3 is the Auto Screen front plan view of the audio video system; push in the auto screen button on the face of the unit to activate this feature;

P. 25 Lines 26, P. 26 Lines 1-5; P. 1 Lines 12, 13; P. 21 Line 7
Figure 4 is the MANUAL MENU SCREEN front plan view; it serves as a cover over the face of the unit and as a menu driven screen; push in first before using the internet, tele video conferencing, fax, e-mail features of the present invention; it also allows the *P. 25 Lines 21-23* user to access features on the unit without seeing the complete unit-when the unit is *P. 26 Lines 7-5, 12, 13*

P. 26 Line 3
retracted inward;

P. 26 Lines 6-13; P. 1 Lines 14, 15
Figure 5 is the TOP BOARDER front view of the system; this design permanently displays the product's logo and the manufacturer's logo in place of the inventor's logo as shown; the product's logo is part of the specification drawing of the invention;

P. 26 Lines 9-11
P. 26 Lines 14-24; P. 1 Lines 16, 17
Figure 6 is the STYLUS and STYLUS HOLDER, and the ICDS-PERIPHERAL front plan view of the system; the stylus could be used to draw, write, or make selection on the manual or auto screen, and ICDS remote control; the template like remote control

works without directly pointing at the internal remote sensor of the main unit;

P. 21 Lines 18, 19, 20
Figure 7 is the TECHNICAL CONFIGURATION and CONNECTIVITY plan view of the invention;

P. 20 Lines 27-30
Figure 8 is the INTERNAL CONNECTIVITY and INTEGRATION of the functional features of the invention;

P. 21 Lines 10-13
Figure 9 is the EXPANDED DRAWING DESCRIPTION of the present invention;
P. 21 Lines 22, 23, 24; P. 20 Lines 1-8, 11, 12, 13
Figure 10 is the technical blue print drawing description of the LOGIC FLOW, CPU,

CIRCUITRY, MEMORY, and the SUPER SENSOR CONNECTIVITY and

INTEGRATION for the gold series model of the invention;

P. 20 Lines 5-7
Figure 11 is the sketch front plan view of the COMPUTER COMMAND CONTROL

and optional product models identification-what differentiates one product model from another;

P. 21 Lines 16, 17, 18
Figure 12 is a clearer drawing of Figure 1 showing numbered and labeled

FUNCTIONAL BUTTONS and USE front plan view of the present invention; it allows for easily identification of parts, and or components;

P. 26 Lines 6-13
Figure 13 is an expanded drawing of Figure 5 to show the complete numbered

parts/components front plan view of the invention;

P. 3 Lines 11-16, 17-19, 20-23
Figure 14 is the INTERNAL REVERSE LOGIC DUBBING CPU and SEQUENCES in

dubbing; it is a unique and special logic command box of the invention;

P. 20 Lines 8, 9
Figure 15 is a simple illustration of the integration of the DUBBING CPU,

COMPUTER COMMAND and CONTROL, and three functional features of the
cassette deck;

P. 20 Lines 16, 17-21
Figure 16 is the MAIN APPARATUS AND LOGIC FLOW of commands and signals

between and among the IN-HOUSE SUPPORT TEAM (control command personnel),

TECHNICAL SUPOORT TEAM (chartered hardware personnel) for the satellite and

cable broadcast programming;

P. 20 Line 28 ; P. 20 Line 2
Figure 17 is the INTEGRATION and COMMAND FLOW of the MEMORY SPACES

of the internal configuration;

P. 20 Lines 34, 35, 36
Figure 18 is a detailed and clear drawing of the FUNCTIONAL PARTS and their

USAGE of the present invention;

P. 33 Lines 3-28
Figure 19 is an inside plan view of the FUNCTIONAL KEYS, REVERSE LOGIC

COMMANDS, INTERNAL CONNECTIVITY and out side front view of the present

invention;

P. 20 Lines 29, 30, 31, 32 P. 20 Lines 21-26
Figure 20 is the ASSIGNED MEMORY TYPE SPACES, INPUT and OUTPUT

SOURCES of the present invention;

P. 30 Lines 1-26
Figure 21 is the drawing description of the MANUFACTURING PROCESSES of the

present invention;

P. 34 Lines 18-21, 22-25
Figure 22 is an expanded drawing illustration and connectivity of the WORLD WIDE

WEB and FAX features of the present invention;

P. 20 Lines 27-32
Figure 23 is an illustrative drawing of the REVERSE LOGIC FLOW, MEMORY

SPACE CHIPS, and FUNCTIONAL SENSORS with output connectivity of the memory type spaces and input connectivity from the auto menu function screen as

shown on Figure 24 of the present invention;

P. 39 Lines 22-25; P. 20 Line 30
Figure 24 is the AUTO MONITOR SCREEN with LCD technology that shows features

illustrated when selected;

P. 20 Lines 27-30, 31; P. 25 Lines 22-26; P. 4 Lines 8-10
Figure 25 is an expanded illustration of the interactive nature of the screen to the

dubbing central processing unit and the tele video parts of the present invention;

P. 26 Lines 25-27; P. 41 Lines 14, 15, 16
Figure 26 is the descriptive drawing of the USE and ACCESSIBILITY of the present

invention;

P. 24 Lines 4-9
Figure 27 shows how the car electrical switch is grounded to the inner housing

structure with an electrical hydraulic mechanism;

P. 35 Lines 8-10
Figure 28 is an illustration of the wiring from the functions to the screen using LCD

technology.

P. 32 Heading DETAILED DESCRIPTION OF THE INVENTION

P. 32 Lines 1-25

The super sensor detector on board the car's dubbing system constantly scans for satellite, cable, radio, and television broadcasts. The play and record frequency are displayed, so that the user of the product could monitor, stop, and edit library of tape and disc data in the memory, and data in the memory spaces. There are three storage and input sources: memory, cassette, and disc. The sensors detectors also help to eliminate commercial break and noise interruptions. Distortions and interruptions such as noise, frequency fading, commercial messages, and special and paid commercials are eliminated by the com.sensor functional button when activated, there by improving

the quality of dubbing, and a better quality of tape and disc. The sensor detector ^{P. 32 Lines 9-16}
internally scans for new musical releases and awards calendar events and
automatically records the music and or shows without the normal interference. In
order for the sensor detector to instruct the dubbing cpu to record, it endlessly scans
through the databases of researched and stored list of recording companies, artists,
radio frequencies, television and satellite broadcasts, cable and fiber transmissions,
bill boards, and recording studios even when the system is turned off. This allows for
first time identification and recording of new musical releases in category of the
recording companies such as country music and R & B music. The unit also constantly ^{P. 32 Line 16}
^{P. 32 Lines 17-25} scans record company's new releases, label artists and charts, mode of play and
recording; and transfers collected data to the central memory spaces such as ram, rom,
sam, and dam memory types. Information, both in analog and digital audio video
signals are stored in the central data bank which are filtered to each of the seven
sensors of the functional features with memory spaces as shown on Figures 19 and

20.

^{P. 32 Lines 21-25}

As a result, any live musical and entertainment awards or new musical releases would
trigger the sensor to assign a memory space for the internal dubbing of the feature been
triggered.

^{P. 32 Line 25; P. 33 Lines 2-28}

When a prerecorded tape or disc is inserted into the desired dubbing deck, instead of a
blank medium the reverse logic dubbing cpu inside the playback and record deck
would reject and eject the medium as wrong functional selection. To play a
prerecorded tape, and or disc, the record (REC) button of the selected deck or drive

^{P. 28 Line 3; P. 29 Line 1}
should be in an off position. The button or functional key is off when the indicator

^{P. 29 Line 9; P. 39 Lines 15-17}
light is not steady. The programmed (Progr.) functional key on the right side of the

unit is a special key and must be in the on position (factory preset) always. Its

functions have not thing to do with either deck in terms of play need of a tape or disc

as does other patented systems. This key is a symbol of a product built on a

programmable concept using the circuit implementation modes and devices in its

P. 37 Line 26; P. 37 Lines 1-4, 5, 6, 7
reverse logic circuitry. The ability of the unit to have already down loaded program

software that can also be controlled by personnel on the ground makes it unique. The

symbol is displayed as the rest of the functional keys or buttons.

P. 33 Lines 12-22; P. 37 Line 3
The commercial sensor function (Comm.Sensor) key relays digital/analog messages

for the sensor to activate momentarily stop during internal dubbing when it senses

P. 37 Lines 7, 8
distortion or interruption. The auto pause (AP) button when pushed in it would

P. 14 Lines 15-22
eliminate noise and commercial breaks, distortion, interruption, fading, and station

frequency interruptions even in a highly populated areas and tunnels, and poor

reception while listening, viewing, and or dubbing. The commercial sensor is

P. 37 Line 4
integrated and configured with the high frequency commercial sensor (Ffc) button,

P. 39 Line 26
high frequency dubbing sensor scanner (Fds) button, and the high speed erase (Erase)

P. 33 Lines 19-28; P. 38 Line 16
functional button. The erase function key of both unitary dubbing cpu also allows the

user to erase or trash unwanted files and folders of data signals in the memory spaces.

The integrated tape and disc drives or decks would erase tapes and discs, including

related memory spaces and prerecorded tapes and discs when selected for a desired

P. 33 Lines 23-28
functional operation. Dubbing in either of the drive occurs using a Reverse Logic

Dubbing Software Application Programming and Integrated Circuitry that instructs the

used drive to record when a blank tape/disc is inserted into the selected drive. The

P. 15 Lines 8, 9, 10-16
dubbing application software or the ASIC technology of this product invention would

P. 33 Line 27
allow the proposed electronics to record in nine sequences based on the integrated sequential circuitry already configured with the dubbing cpu that is further configured into the computer motherboard chip and the microprocessors. The sequential dubbing involves tape to tape, tape to disc, tape to memory, disc to disc, disc to tape, disc to memory, memory to tape, memory to disc, and memory to memory.

P. 34; Lines 1-9
The tape to tape, tape to disc, tape to memory, disc to tape, and memory to tape recording involves audio dubbing only. The disc to disc, disc to memory, memory to disc involves audio and video only. *P. 34 Line 4-6*
Given three memory media (memory, cd deck, and cassette deck) for dubbing, the integrated dubbing cpu would record in nine sequences of audio and video digital/analog signals interchange. The system also records other functional features, including internet activities, financial transactions, audio video conferencing,, and sports/children specials as seen on the monitor screen and the

P. 34 Lines 10-17
ICDS-peripheral. The system has the input device in form of the interactive screen, *P. 20 Lines 15*
ICDS remote peripheral and stylus. An output device in form of the monitor screen and ICDS remote peripheral; and storage device in form of the memory type spaces, and hard copy medium in form of tape and disc; and printouts of e-mail, voice mail, text, and graphics using thermal/photo printing technology of a fax device which is also

P. 34 Line 13-15
integrated with internet and output screen. As a result, the Integrated Car Dubbing *P. 34 Line 14*
System and its home entertainment version is a functional computer within a consumer

electronic system. The system is new in the home and car electronics industry; and the *P. 25 Lines 14-21; P. 34 Lines 15-18*
added dual purpose audio/video track disc may serve the consumer in time of need.

P. 34 Lines 18-21
The service of the internet is global, and the service of a car is also universal. The new product invention brings the versatility of the internet to an electronics audio video system that offers internet plus listening, viewing, interacting, and dubbing pleasures.

P. 34 Lines 22-25

The housing of the micro fax machine is under or beneath the delivery tray as shown

P. 34 Lines 22-25

on Figure 1. It is not visible, but operates like the personal fax machine. The motorist could send and receive messages on the screen as well as a printout with choice of flat or perforated thermal or photo papers. Another distinctive difference between this invention and previous inventions is the uniqueness of the system to integrate current technical know how in electronic technology with relatively new satellite and wireless technology, Gallium Arsenide integrated circuitry (GaAs) technology with

transistors/chip, gate delay, transistor gate, fan in and fan out transistor that are fast with low power dissipation and high current driven capabilities compared to electronics with silicon bipolar or unipolar emitter -coupled logic (ECL) families of integrated circuitry. The inventor could only recommend using the GaAs technology as against silicon technology because of the speed and amount of gates per chip. The use of one IC technology in place of another has no bearing on this invention. The purpose is to describe the feasibility of manufacturing and the logic design requirements of the new invention. The user's knowledge of integrated circuitry is irrelevant to using the invention, therefore, the consumer requires no new skills than he or she has in using

P. 35 Line 4-7

any electronics, internet or computer. Since this invention has elements of computer in it and of its use, it was invented to replace the bulky computer components of a

P. 35 Lines

monitor, cpu, keyboard, and a mouse to a computer in a mobile structure as the car or stationary as in residential and commercial electronics. The built in feature of the infra

P. 35 Lines 19-25

red video camera is wired and connected to the mike, clock, and the dubbing cpu.. The

P. 35 Lines 20-22

video eye allows for tele-video conferencing and at the same time monitors the

motorist's fatigue using an integrated clock alarm and alert system that is wired into

P. 35 Line 22 P. 35 Lines 22-25
the dubbing cpu. The location of the mike, clock, and camera lens enhance the position

of the MIKE/CAM buttons as shown on Figure 1 of the present invention. The buttons

have alternate switches in order to sense and capture impacts and unwarranted

P. 36 Lines 1-5
intruder during a car hijack and an accident impact. As a result, the new system acts as

a motorist black box which can be reviewed by the authorities and may help reduce

insurance cost. It is of the inventor's belief that when successfully tested and

marketed, the consumer would appreciate the product's security, privacy, motorist's

safety, and the functional features of this complete and perfected product invention.

P. 13 Lines 4-10; P. 37 Lines 15-18
Figure 2 is the special cd and access internet user's frequency coding panel. The

functions of the panel is to provide easily access to the cd deck which has numbers

1,2,3,4,5,6,7,8,9,0 for looping numeric coding and identification of disc. The RAND,

RPT, SCAN R-M, EQ, < >, and STIL are cd functional keys. To activate any feature,

the consumer would push the selected displayed and abbreviated word. The still button

allows for steadiness of the video received and or transmitted. It also serves to still

picture, text, and or activity been watched. By so doing, the consumer could print out

a specific element on the screen rather than an entire text, picture, and activity. The

still feature could also freeze selected disc track, and memory space for editing and

customized activity. In addition, the panel has an integrated disc track button, an eject,

auto pause, and play override buttons (P.O/R)

P. 25 Line 14; P. 39 Lines 19-21
The consumer could push in the P.O/R button first before playing any disc such as

P. 14 Lines 7, 8
current CD player disc and CD ROM disc that are foreign to the system. Activating the

P. 25 Lines 6-11
P.O/R button allows consumer to play and record conventional discs. The AINUF

button on the special panel is to be activated (push in), in order for the consumer to

customized and personalized web and entertainment surfing. P. 18 Line 27
Using the AINUF key

P. 38 Line 23

allows the consumer to integrate his or her personal computer and computer disc. It is not necessary to activate this functional button during normal internet or www

activities, but should be activated when the consumer wants to perform personal

P. 2 of claim Lines 6, 7, 8

financial transactions such as on line banking and trading in the stock exchange

markets. In general, the special panel as shown on Figure 2 is used to code p.c. P. 13 Lines 4-16 P. 27 Lines 17, 18 (P. 37)

numbers, identification, interchange of current disc with the present invention, also for

P. 27 Lines 10-11

setting secret pass words and numeric codes, and personalized entertainment and

internet surfing. An entry using this panel is read by the integrated control command in

binary digits and interpreted by a compiler in the circuitry that reads different

programming and machine or assembly languages.

P. 29 Line 11 ; P. 25 Lines 23-27 ; P. 39 Lines 21-24
Figure 3 is the auto monitor screen (Auto Screen) that shows full functions of the

cassette and CD decks, faded keyboard, calculator, and computer programs and

documents. This feature should be activated before logging into the www and internet

by pushing in the www and internet buttons. The pull down menu serves as an LCD

monitor (output) device. Text, drawings, and single character can be cleared while on

the world wide web mode. Figure 4 is the manual menu screen with permanently

displayed functions which could be accessed by a human soft touch or by the ICDS

peripheral stylus. The close and clear screen display allows the consumer to erase or

exit activity from internet and www.

To terminate www and the internet, the user simply push in the functional buttons as

shown on Figure 1. The manual menu driven screen also serves as a cover over the face

of the unit. Some features could be activated on this screen such as the tele video

conferencing. It allows the user to access the displayed features from the unit without

seeing the complete component-when the unit is in the retract mode or position. This feature comes with hedge (flat surface screen) or retractable concave shaped screen ^{p. 13 Lines 1-3} that slides into the groove between the unit and the top boarder frame. Figure 5 mainly ^{p. 40 Lines 8-11, 12, 13, 14, 15} displays the product's and manufacturer's logos, and a retractable assembly unit ^{p. 20 Lines 12-14} indication of the product's top of the line model. The unit display of retractable assembly unit means one of the four claimed models as shown on Figure 5 of the present invention. The functional features as shown is for illustrative purpose only. These features are faded permanent displays in order to access them when the auto screen is not been used or unit in a retract position. The stylus can only be used to activate the displayed features, and not human soft touch. ^{p. 40 Lines 5-7} Figure 6 is the stylus and stylus holder, and the integrated car dubbing system (ICDS) peripherals. The stylus can be used to draw, write, or select functions on the manual and auto screen. The ^{p. 26 Lines 14-24} ICDS-peripheral remote control is a "Koala" like or template like remote control that works without directly pointing at the unit's internal remote sensor. ^{p. 13 Lines 15-17} The remote control has a multi directional sensor eye for convince operation of the unit. The sensor works in an angle of 180 - 360 degrees. ^{p. 13 Line 16} The consumer would ^{p. 26 Lines 14-24} press the right hand bar button to start and clear text, drawing, and activities on the high resolution grid. The consumer presses once to start and double click to clear entire activity. The round middle button erases individual characters displayed on the LCD surface grid of the peripheral, consumer uses the stylus to highlight what to be deleted and press erase to clear. ^{p. 1 Lines 16, 17} The two in one sensor button with full access press is designed to access all functions claimed in this specification. ^{spec. Page 1} Continuous tapping/pressing of the left side ^{p. 26 Line 17} button would display functions. When the desired function appears, the consumer ^{p. 26 Line 18} would press the right side button to activate the desired functional feature. ^{p. 21 Lines 1-3} The first six

figures are tangible components and constitute the Design Patent aspect of this Utility Patent Specification. ^{P. 21 Lines 4-24} Figures seven through twenty eight are the expanded illustration

of the system's outlook and internal components that explain the way the system

works, what it does, its manufacturing processes, and uses by the consumer. ^{P. 35 Lines 11-18} Figure 7 ^{P. 21}

^{Lines 25-27} is the technical configuration and integration of the functional features. It shows how

the logic gates use the motherboard circuitry and other circuits, and the reverse logic

cpu to perform what the inventor claims to do. The Logic Arrays as shown on figure 7

illustrates the input and output connectivity, configuration and integration of the

components or parts. Figure 8 shows the internal connectivity and integration of the

features claimed into the programming circuitry (IC) and the reverse logic dubbing

^{P. 21 Lines 28, 29} cpu-application specific programmed device or programming circuitry (ASIC). The

electronic circuitry has the feature chips ^{P. 21 Line 11} interconnected using the logic configuration pins that are fed into the motherboard circuitry, then memory type spaces for filtering

into the dubbing cpu with logic control chip.

Figure 9 is an ^{P. 21 Lines 10-13} expanded technical drawing, description of the way the unit works on a

configured and integrated circuitry. It also shows the internal wiring and external ^{P. 1 OF Abstract Lines 9-22}

functionality of the integrated car dubbing system. ^{P. 21 Lines 22, 23, 24} Figure 10 is the logic, central

processing unit, circuitry, super sensor, and memory configuration of the

^{P. 12 Lines 19-21} manufacturing processes using circuit structure of the programmed logic arrays (PLAs)

and the programmed array logic (PAL) that enable the circuit structure to use AND-

OR, and NAND gates fabricated on the application specific integrated circuitry (ASIC)

and the dubbing circuitry.

^{P. 20 Lines 5-7} Figure 11 is an illustrative page drawing description of the other three models in order

P. 41 Lines 10-16

to differentiate one model from another. The ICDS is to be manufactured to be

consistent with the claimed functional features that could be programmed to work or

not work depending on the model being purchased by the consumer. Figure 12 is a

clearer hand drawing of Figure 1 showing the location of each functional button. These

functional buttons are been numbered and labeled on the drawing page in order to

identify the position of each function as a numbered parts or components for

manufacturing purpose.

Figure 13 is the expanded drawing of Figure 5 to show the complete numbered parts

on the face of the unit. Figure 14 is the internal reverse logic dubbing cpu and

sequences in dubbing. With the aid of the ASIC and the reverse logic programmed

dubbing cpu. The unit's ASIC instructs the selected deck to record selected tape or

disc. When a prerecorded tape or disc is inserted into the selected deck, it plays,

record, and store read data information onto the internally selected memory type space.

Prerecorded data information are stored in the memory type spaces, while automatic or

triggered recording of data information are stored in the assigned memory type spaces

waiting for a blank tape or disc to be inserted. If the REC button is on, the deck will

reject and eject the prerecorded medium as an error in selection. The record button

blinks to indicate internal and automatic recording triggered by a new musical release

or a musical and entertainment award show being broadcast without interfering with

the currently selected function or mode.

A simultaneous recording could occur when a prerecorded tape or disc is inserted by

the user in order to record while still listening to radio stations or tele video

conferencing. The deck would play and store data waiting for a blank medium to be

inserted at a later time. To listen to prerecorded tape or disc, the consumer would push

out (second push) the record button of the selected deck. A steady light indicator means the deck is recording external medium such as radio and inserted tape or disc.

When recording is completed the indicator light goes off.

P. 33 Lines 12-28 ; P. 20 Lines 8, 9
Figure 15 shows a simple illustration of the integration of the dubbing cpu, compiler

command control chip, and three functional features that allow the system to record without interruption, distortion or commercial break, thereby resulting in a better tape-disc quality and harmonious dubbing experience by the consumer.

P. 38 Lines 1-8 ; P. 20 Lines 16-21
Figure 16 shows the main apparatus, logic flow of command and signals between and

among the In-house support team (writes the application software on the ICs) that is down loaded onto the unit's IC and the dubbing circuit structure to function as

command control for the wireless broadcast programming, the *P. 30 Lines 1-26* Technical support team

who installs and maintains satellite, cable, and fiber connectivity of the encoding and decoding dishes is also of the ground personnel. The system need not have a standby

support teams to function. On the other hand, the system could be controlled by

ground personnel as shown on Figures 16 and 21 to operate by subscribing to any of

the four models, or simply controlling the functions of the system as a programming

service establishment or entity for satellite, cable, and wireless broadcasting to

consumers by means of an electronics product.

P. 28 Lines 1-13 ; P. 38 Lines 5, 27 ; P. 39 Line 1
Satellite programming functions is activated when the satellite-wireless (SL-W) button

P. 2 Lines 14-23
is in off position. Inward indicates wireless programming being used by the consumer.

Signals from the sensor detector satellite dish are relayed to the motherboard chip,

which in turn, are transmitted to the unit's ASIC that reads and distribute information *P. 39 Lines 15-18*

P. 29 Line 9
to the configured pins which are integrated into the dubbing cpu. Encoded and *P. 20 Lines 21-26*

decoded signals in the sequential circuitry allows the unit to record in nine sequences.

P. 2 Lines 4-13; P. 20 Line 28

Figure 17 shows the integration of what the unit does, how memory spaces are

configured, flow of logic, and internal operation of the system. The use by a consumer

of this invention is shown on Figure 18 that details the functionality of components as

claimed. Since these functions are physically visible and the consumer could interact

and have full control of its operational use, it is not surprising to note the uses and

practicality at first sight of Figures 1 and 18.

P. 3 Lines 11-22; P. 33 Lines 3-28

Figure 19 is the inside view of the functional keys, reverse logic commands, and

internal connectivity while Figure 20 shows the memory type spaces, input and output

sources of the new invention. Figure 21 is the drawing description of the

manufacturing processes and Figure 22 is an illustration of the connectivity of the

world wide web and the fax features. Figure 23 is the integration of the memory chips,

functional sensors and reverse logic flow to the auto menu screen as shown on Figure

24. Figure 24 is the auto monitor screen with an LCD technology that shows features

illustrated when selected. Figure 25 is an expanded illustration of the interactive nature

of the screen to the dubbing cpu and the tele-video parts of the unit. Figure 26 is a

descriptive drawing of the use and accessibility of the functional features of the new

product invention as envisioned by me. Figure 27 shows how the car electrical switch

is grounded to the inner assembly house of the system using electrical hydraulic know

how that allows the unit to stand on a stool with springs and hydraulic mechanism that

raises the unit into slot. Figure 28 is an illustration of how the connecting wires to the

LCD screen is melted to displayed functions

P. 1 OF CLAIM Lines 1-15

What I claim as my invention is

An Integrated Car Dubbing System - ICDS comprising:

p. 1 of Claim Lines 3, 4, 5

1. Satellite and Wireless (sl-w) sensors/detectors scanners, ~~electrical~~/electronic circuitry, logic processors, microprocessors, integrated circuitry, motherboard chip, logic sequential circuitry, reverse logic circuitry, and a dubbing central processing unit that receive and transmit analog, and or digital signals from the

p. 3 Lines 12, 13

seven functional components, and

p. 1 of Abstract Line 10; p. 1 of Claim Line 5
an optional input port (NAND gate) as illustrated on Figures 1, 8, 20, and 21

respectively; and

p. 3 Lines 11 - 13

2. A reverse logic dubbing cpu that instructs each unitary deck to record, store,

and playback data signals of any selections as shown on Figure 9; and

p. 1 of Abstract Lines 18 - 20 a programming logic and customized circuit implementation product software that uses *p. 2 Lines 7, 8*

p. 39 Lines 11-14

Gate arrays, NAND (the accessory modulator) AND-OR circuitry to achieve the

p. 15 Lines 8, 9

product's Application Specific IC (ASIC) -integrated circuit dubbing cpu that

records in nine sequences as shown on Figure 14; and

p. 1 of Claim Lines 9, 10; p. 27 Lines 16 - 20, 21
a dual purpose audio video track disc for formatting, external storage, and backup in

case of a system failure or malfunction due to damage; and

p. 1 of Claim Lines 11 - 15; p. 33 Lines 12 - 22

3. A commercial free/distortion free (com.sensor) sensor-detector that recognizes

and suppresses high frequency interruption by constantly scanning

programmed broadcasting frequency modes (ffc) sensor and synthesized by

p. 33 Lines 16, 17

eliminating the distortion in a highly populated area, poor reception due to

topographic condition, tunnel, microwave, and or electrical interference resulting

in a perfect listening and dubbing pleasure; see Figure 15 for illustration; and

p. 33 Line 19 - 22
a high speed memory, record and playback erase sensor/detector that reads ram,

rom, ram, cam/am, sam, and dam types of memory data as shown on Figure

17; and

- P. 1 of Claim Lines 16 P. 15 Lines 4-7; P. 37 Lines 12, 13*
4. A live musical/entertainment awards (mea) sensor detector that receives analog,

and or digital signals from broadcastings such as radio, television, satellite, and

P. 38 Line 27
cable using the special multi directional power antenna receptacles as shown on

Figure 7; and

P. 1 of Claim Line 20
a download signal data to the system's motherboard chip which in turn transmits to

the integrated dubbing cpu and memory spaces that enable the consumer to

record, play, see, and interact with similar component when the desired

selection is activated as shown on Figures 1, 7, 8, 9, 10, 12, 16, 19, and 21; and

P. 1 of Claim Line 16 P. 15 Lines 4-7 P. 37 Lines 9-11
a new musical release (nmr-l) sensor detector that receives and instructs the dubbing

cpu to record and store data signals onto the memory space as determined by the

logic circuitry; and

- P. 1 of Claim Lines 17, 18*
5. An access internet (ain), access internet user's frequency (ainuf) sensor detector

pins that are configured with the www, sl-w, cam, mike, fax, screen, icds-

peripheral, and integrated into the programmed circuitry and dubbing cpu; and

- P. 2 Line 9 of Claim Page P. 12 Line 17 P. 28 Line 22*
6. An integrated digital/analog clock alarm alert sensor detector that emits preset
P. 38 Line 21 Abstract P. 1 Lines 23-25
factory edible sound or user's choice of sound and volume control that would

P. 35 Lines 20, 21, 22
alert the motorist when the camera eye senses motorist fatigue and impact in

case of an accident or car hijack which is activated manually as shown on

Figures 8, 10, 12, 14, and 18; and

P. 2 of Claim Line 10; P. 24 Line 9; P. 18 Line 11
an impact resistant unit that serves as a black box for the motorist or consumer, since

P. 12 Lines 15-17
any activity inside the car or facing the component could be recorded and stored

P. 4 Lines 15-18 P. 36 Line 2
for later use or analysis by the authority; and

- P. 2 of Claim Line 10; P. 13 Lines 11-17*
7. A retractable assembly component against vandalism and theft when the

ignition switch of the car is in the off position, and the retraction could be by

passed when the key is in the accessory position; and a start position would

retrieve the housing or assembly unit back into the car's electronic slot; and

wires that are connected to the car electrical configuration as shown on Figure

27; and

8. An icds product models' logo and the manufacturer's logo in place of the ~~Phillip's research and commercial enterprises' logo~~ as shown on Figures 1, 5,

and 7; and

an icds peripherals specially designed to enhance creativity and efficiency for the

motorist's executive, and or motorist's family; and

a four product models thereof: ICDS-SISEdle GOLD SERIES PRODUCT; ICDS-

SISEdl; ICDS-SIS; ICDS-CSISX; and

a portable residential/commercial dubbing entertainment center version of the new

product invention.